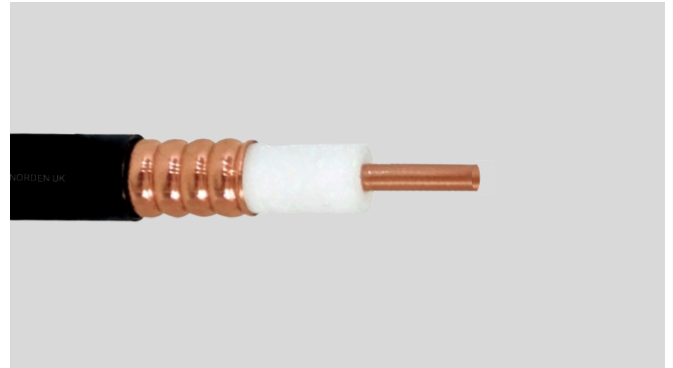


7/8" FOAM DIELECTRIC FLEXIBLE RF CORRUGATED FEEDER CABLE

Norden 7/8" Foam Dielectric Flexible RF Corrugated Feeder Cable is used for base station which includes wireless mobile communication, cellular, microwave and broadcast applications. It incorporates high foaming polyethylene insulation technology to minimize signal loss and have excellent electric features such as low damping and reflection coefficient. This cable carries current in both inner and outer conductors. It's ideal for applications where the RF cable has to be routed through or around buildings and where precise bending and handling needed in tight spaces.



CABLE CONSTRUCTION

Inner Conductor

Copper Tube

Insulation Color

Neutral

Outer Jacket

Low Smoke Halogen-free
Fire-retardant/PE

Insulation

Foam PE (Polyethylene)

Outer Conductor

Corrugated Copper Tube

Jacket Color

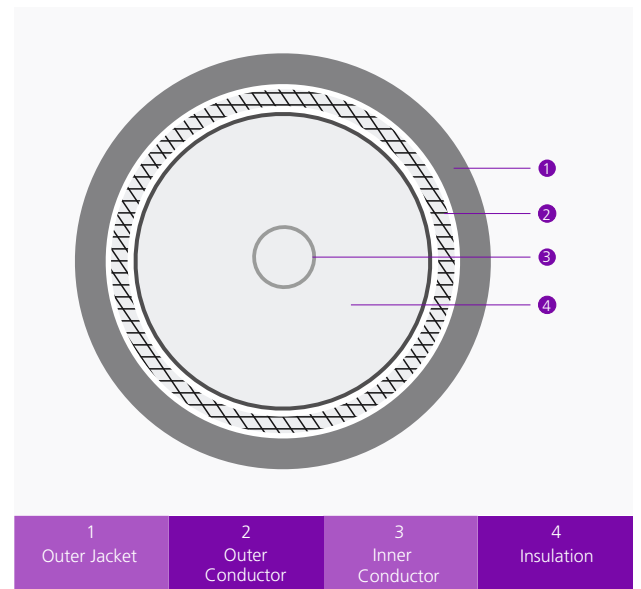
Black

PHYSICAL CHARACTERISTICS

Characteristic	Value
Inner Conductor Diameter	9.40 ± 0.1 mm
Insulation Diameter	22.80 ± 0.4 mm
Outer Conductor Diameter	25.40 ± 0.4 mm
Outer Jacket Diameter	27.50 ± 0.5 mm
Tensile strength	1500 N
Min. bending radius allowed	Repeated 250 mm, Single 90mm
Installation Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
Operating Temperature	-40°C to +70°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Inner conductor resistance	Ω/km	≤1.9
Outer conductor resistance	Ω/km	≤1.6
Insulation resistance	MΩ/km	5000
Capacitance (1kHz)	pF/m	74.0
Velocity	%	89
Dielectric strength	KV	10.0
Characteristic Impedance	Ω	50 ± 1
Peak power rating	KW	91
Peak voltage	V	3000
Cut-off frequency	Ghz	4.9
Shielding Effectiveness >10MHz	dB	>120
DC breakdown voltage	kV	10



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PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation @20°C (dB/100m)	Average (kW)
200	1.60	5.21
450	2.49	3.39
800	3.45	2.48
900	3.62	2.32
1000	3.85	2.19
1500	4.84	1.74
1800	5.43	1.53
2000	5.85	1.48
2200	6.14	1.42
2500	6.6	1.26
3000	7.30	1.17

ORDERING INFORMATION

Part Number	Description
450-03RD00E	7/8" Foam Dielectric Flexible RF Corrugated Feeder Cable PE
450-03RD00H	7/8" Foam Dielectric Flexible RF Corrugated Feeder Cable LSZH